

Claims

1. An application descriptor (40) describing an application (50, 52) available for download and comprising:
  - 5 a first data element (61; 71) having a first data portion;
  - a second data element (64) identifying the application (50, 52); and
  - a plurality (46; 48) of third data elements, each of which has an individual locale identifier portion (31; 33) and a second data portion (32; 34) related to its
  - 10 individual locale identifier portion (31; 33).
2. An application descriptor (40) as claimed in claim 1, wherein an individual locale identifier portion (31; 33) identifies a country and/or a language.
- 15 3. An application descriptor (40) as claimed in claim 1 or 2, wherein the individual locale identifier portion (31; 33) comprises or identifies at least a language code.
- 20 4. An application descriptor (40) as claimed in claim 1, 2 or 3, wherein the individual locale identifier portion (31; 33) comprises or identifies a county code.
- 25 5. An application descriptor (40) as claimed in any preceding claim, wherein the individual locale identifier portion (31; 33) comprises a first two-letter code in lower case separated from a second two-letter code in upper case.
6. An application descriptor (40) as claimed in claim 5, wherein the first two-letter code is a language code in accordance with ISO-639 and the second two-letter code is a country code in accordance with ISO-3186.
- 30 7. An application descriptor (40) as claimed in any preceding claim, wherein each of the second data portions (32; 34) of the third data elements (81, 82, 83; 91, 92, 93) are a replacement for the first data portion.

8. An application descriptor (40) as <sup>14</sup> claimed in any preceding claim, wherein the first data portion defines a name and, for each of the third data elements, the second data portion (32; 34) defines a translation of the name into a language specified by the individual locale identifier portion (31; 33) of the third data element.

9. An application descriptor (40) as claimed in any preceding claim, wherein the application descriptor (40) is a Java application descriptor, the first data element (61) comprises the value of the MIDlet-Name attribute of the Java Application Descriptor, the second data element (64) comprises the value of the MIDlet-Jar-URL attribute of the Java Application Descriptor and, for each of the third data elements (81, 82, 83), the second data portion (32) defines a translation of the name defined by the value of the MIDlet-Name attribute into a language specified by the individual locale identifier portion (31) of the third data element.

10. An application descriptor (40) as claimed in claim 6, wherein the application descriptor (40) further comprises:

15 a fourth data element (71) having a third data portion; and

20 a plurality (48) of fifth data elements (91, 92, 93), each of which has an individual locale identifier portion (33) and a third data portion (34) related to its individual identifier portion (33).

11. An application descriptor (40) as claimed in claim 10, wherein the fourth data element (71) is the value of the attribute for the name of a MIDlet and, for each of the fifth data elements (91, 92, 93), the third data portion defines a translation of the name of the MIDlet into a language specified by the individual locale identifier portion (33) of the third data element.

12. An application descriptor (40) as claimed in any one of claims 1 to 9, 30 wherein the application descriptor (40) is a Java application descriptor, the first data element (71) comprises the value of the attribute for the name of a MIDlet, the second data element (64) comprises the value of the MIDlet-Jar-URL attribute of the Java Application Descriptor and, for each of the third data elements (91, 92,

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93), the second data portion (34) defines a translation of the name of the  
MIDlet into a language specified by the individual identifier portion (33) of the  
third data element.

5 13. An application descriptor (40) as claimed in any preceding claim wherein  
the first data portion defines an icon and the second data portion of the third data  
element defines a replacement icon.

10 14. An application descriptor (40) as claimed in any preceding claim wherein  
the first data portion defines a start routine and the second data portion of the  
third data element defines a replacement start routine.

15 15. An application descriptor (40) describing an application resource available  
for download and comprising:  
a first attribute having a first value;  
a second attribute having a value identifying the application resource;  
a plurality of third attributes, each of which has an individual locale identifier  
portion (31; 33) and has a second value (32; 34) related to its respective individual  
locale identifier portion (31; 33).

20 16. An application descriptor (40) describing an application resource available  
for download and comprising:  
a first attribute having a first value defining a first name;  
a second attribute having a value identifying the application resource; and  
25 a plurality of third attributes, each of which has an individual locale identifier  
portion (31; 33) and has a second value (32; 34) defining a translation of the first  
name into a language identified by its individual locale identifier portion (31; 33).

30 17. A data structure (23) for transmission and reception by a wireless  
transceiver, comprising an application descriptor (40) as claimed in any preceding  
claim.

18. A mobile telephone (10) arranged to receive and process a data structure as

claimed in claim 17, comprising a transceiver (22) for receiving the data structure (23);<sup>16</sup>

means (12) for determining an identifier associated with the phone or the phone user; and

5 means (12) for selecting the second data portion (32; 34) of a third data element having an individual identifier portion (31; 33) corresponding to the determined identifier associated with the phone or its user.

10 19. A mobile telephone (10) as claimed in claim 18 wherein the means for determining an identifier includes means (12) for invoking the getProperty() method.

15 20. A mobile telephone (10) as claimed in claim 18 or 19, wherein the identifier comprises at least one country code.

21. A mobile telephone (10) as claimed in claim 18, 19 or 20, wherein the identifier is dependent upon the language setting of the mobile telephone

22. A mobile telephone (10) as claimed in any one of claims 18 to 21, arranged 20 to receive the data structure (23) using the Wireless Application Protocol.

23. A memory device (20) or data carrier storing an application descriptor (40) as claimed in any one of claims 1 to 16.

25 24. A mobile telephone (10) arranged to process an application descriptor (40) comprising a first data element having a first data portion, a second data element identifying an application resource for download and a plurality of third data elements, each of which has an individual locale identifier portion and a second data portion related to its individual locale identifier portion, the mobile telephone 30 comprising means for determining a locale identifier associated with the phone or the phone user; and

means for selecting the second data portion of a third data element having an individual locale identifier portion corresponding to the determined locale

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identifier associated with the phone or it's user.

25. A computer for storing an application descriptor (40) as claimed in any one of claims 1 to 16, or for transmitting, receiving or processing a data structure as 5 claimed in claim 17.

26. A data structure, Java application descriptor or mobile telephone substantially as hereinbefore described with reference to and/or as shown in the accompanying drawings.

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27. Any novel subject matter or combination including novel subject matter disclosed, whether or not within the scope of or relating to the same invention as the preceding claims.